

# Arpit Singh

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Kolkata, West Bengal, India

## EDUCATION

### Heritage Institute of Technology

Kolkata, West Bengal

*Bachelor of Technology in Computer Science Engineering*

*Aug 2023 – May 2027*

- CGPA: 8.0
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Software Engineering

## TECHNICAL SKILLS

**Programming Languages:** Java, C++, JavaScript, Python, SQL.

**Web Technologies:** HTML5, CSS3, React.js, Tailwind CSS, Material UI.

**Developer Tools:** Git, GitHub, VS Code, IntelliJ IDEA, Postman, Canva.

**Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming, Problem Solving, Agile Methodologies.

**Soft Skills:** Problem Solving, Technical Communication, Adaptability, Continuous Learning.

## PROJECTS

### ChitChat - AI-Powered Chatbot [🔗](#)

July 2025

- **Technologies:** Node.js, Next.js 15, TypeScript, Google Gemini 2.0 Flash API, Tailwind CSS, Framer Motion, PDF.js, shadcn/ui
- Developed a full-stack AI chatbot using Google Gemini 2.0 Flash API for intelligent, context-aware conversations
- Implemented PDF upload and text extraction using PDF.js, enabling document-based AI interaction
- Designed responsive UI with Tailwind CSS and Framer Motion, including dark/light mode and real-time typing indicators
- Built a scalable component-based architecture using shadcn/ui and Radix UI

### AI Weather - Real-Time Forecast App [🔗](#)

Aug 2025

- **Technologies:** Next.js 15, TypeScript, Open-Meteo API, Tailwind CSS, Framer Motion, Lucide Icons
- Developed a real-time weather application using Open-Meteo API with city search and autocomplete geocoding
- Implemented unit conversion (metric/imperial), responsive layouts, and theme toggling
- Displayed 7-day and 24-hour forecasts with detailed weather metrics such as UV index, humidity, and wind speed

## EXPERIENCE

### Gen AI Engineer Intern

AI Wallah

*Internship Program [Certificate]*

*July 2025 – August 2025*

- Completed training in Generative AI, Large Language Models, and prompt engineering
- Developed two AI-powered projects using Python and popular LLM frameworks
- Gained hands-on experience with Gemini and ChatGPT APIs, model fine-tuning, and AI ethics

## ACHIEVEMENTS & CERTIFICATIONS

### Generative AI for Beginners | Udemy [Certificate]

July 2025

### Problem Solving | Solved 100+ problems on LeetCode

Ongoing

- Active competitive programmer with focus on algorithms, data structures, and optimization techniques